

SECTION J
LIST OF ATTACHMENTS

SECTION J

LIST OF ATTACHMENTS

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SECTION J – LIST OF ATTACHMENTS
ATTACHMENT A – LIST OF ACRONYMS

The following list of acronyms may be used in this contract.

ACWP	Actual Cost of Work Performed
ADR	Alternative Dispute Resolution
AFL-CIO	American Federation of Labor-Congress of Industrial Organizations
ALARA	As Low As Reasonably Achievable
ASME	American Society of Mechanical Engineers
ANSI	American National Standards Institute
BCWP	Budgeted Cost of Work Performed
BCWS	Budgeted Cost of Work Scheduled
B&R	Budgeting and Reporting
CD-ROM	Compact Disc-Read Only Memory
CERCLA	<i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980</i>
CFR	Code of Federal Regulations
CO	Contracting Officer
COR	Contracting Officer Representative
CPI	Cost Performance Index
CPIF	Cost Plus Incentive Fee
CSPI	Cost and Schedule Performance Index
DEAR	Department of Energy Acquisition Regulation
DNFSB	Defense Nuclear Facilities Safety Board
DOE	U.S. Department of Energy
DQO	Data Quality Objectives
ECOLOGY	Washington State Department of Ecology
EMR	Experience Modification Rate
EPA	U.S. Environmental Protection Agency
EPCRA	<i>Emergency Planning and Community Right-To-Know Act of 1986</i>
ERISA	<i>Employee Retirement Income Security Act of 1974</i>
ES&H	Environment(al), Safety and Health
ESQ&H	Environment(al), Safety, Quality and Health
FAR	Federal Acquisition Regulation
FOCI	Foreign Ownership, Control or Influence
FY	Fiscal Year
HCA	Head of the Contracting Activity
HLW	High-Level Waste
HUBZone	Historically Underutilized Business Zone
HWMA	<i>Hazardous Waste Management Act</i>
ICD	Interface Control Document
ISMS	Integrated Safety Management System
JOBBS	Job Opportunities Bulletin Board System
LAW	Low Activity Waste
LDR	Land Disposal Restrictions
MEPP	Multiple Employer Pension Plan
MS	Mail Stop
MSDS	Material Safety Data Sheet
MTG	Metric Tons of Glass
NEPA	<i>National Environmental Policy Act of 1969</i>
NQA	Nuclear Quality Assurance
NOC	Notice of Construction
NOV	Notice of Violation
NOAV	Notice of Alleged Violation
NRC	Nuclear Regulatory Commission
NTE	Not to Exceed

OCI	Organizational Conflict of Interest
ORP	U.S. Department of Energy, Office of River Protection
OSHA	Occupational, Safety and Health Administration
PBS	Project Breakdown Structure
PSD	Prevention of Significant Deterioration
PAAA	<i>Price Anderson Amendments Act of 1988</i>
PL	Public Law
PCB	Polychlorinated biphenyls
PPA	<i>Pollution Prevention Act of 1990</i>
ppm	Parts Per Million
QARD	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program
RCRA	<i>Resource Conservation and Recovery Act of 1976</i>
RFP	Request for Proposal
RL	U.S. Department of Energy, Richland Operations Office
ROD	Record of Decision
RPP	River Protection Project
SAS	Safeguards and Security
SEB	Source Evaluation Board
SF	Standard Form
SIC	Standard Industrial Classification
SPI	Schedule Performance Index
SRD	Safety Requirements Document
TBD	To Be Determined
TIN	Taxpayer Identification Number
TPA	<i>Hanford Federal Facility Agreement and Consent Order</i> (also known as Tri-Party Agreement)
TRU	Transuranic (waste)
TSCA	<i>Toxic Substances Control Act of 1976</i>
TSR	Technical Safety Requirements
UCNI	Unclassified Controlled Nuclear Information
USC	United States Code
WAC	Washington Administrative Code
WBS	Work Breakdown Structure
WDOH	Washington State Department of Health
WTP	Hanford Tank Waste Treatment and Immobilization Plant

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT B

Reserved

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT C
GOVERNMENT-FURNISHED PROPERTY AND GOVERNMENT-FURNISHED EQUIPMENT

Government-Furnished Property and Government-Furnished Equipment as referenced in Section C.9,
Interface Control Documents.

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT D – SMALL BUSINESS SUBCONTRACTING PLAN

Hanford Waste Treatment and Immobilization Plant
Small Business Subcontracting Plan

Name of Contractor: Bechtel National, Inc.

Address: 45 Fremont Street
San Francisco, CA 94105

Solicitation Number: DE-RP27-00RV14136

This subcontracting plan describes our approach to involving HUBZone small business, small business, small disadvantaged business, and women-owned small business concerns to the maximum extent practicable in the design, construction, and commissioning of Hanford's Waste Treatment and Immobilization Plant (WTP) for DOE.

We support DOE's strong, long-term commitment to diversity. We believe that diversity is much more than affirmative action in the workplace. For us, it is an operating principle of management that plays a key role in our success. Our belief in diversity—transformed into action—provides us with a competitive advantage over other organizations, both in the workplace and in the business community. Diversity in subcontracting provides vital links to the local community, increases our flexibility in

meeting project goals, strengthens the local economy, creates new opportunities, is cost effective, and represents best business practices.

We have a long-established record of involving small business concerns in meaningful roles in government and commercial contracting. By building on our experience and by setting challenging and aggressive goals, we have made small business participation and development an integral aspect of our approach to project execution. We will follow this approach for the WTP project.

In executing the WTP project, we will comply with FAR 52.219-8 and 52.219-9, prime contract requirements, and current DOE policies and practices. Our policy is to aggressively encourage participation of small business concerns to the maximum extent practicable consistent with efficient performance of WTP scope of work. All procurements are reviewed to identify opportunities for including small business suppliers and contractors, developing good working relationships with them, and encouraging them to offer their products and services to the WTP project.

Total estimated dollars available for subcontracting: \$2,379,000,000

Category	Percentage of Total Estimated Subcontracting Effort	Dollar Amount
Total planned and available for subcontracting to SB concerns	46	\$1,094,340,000
Total planned and available for subcontracting to HUBZone SB concerns (included in SB concern numbers)	1.5	35,685,000
Total planned and available for subcontracting to SDB concerns (included in SB concern numbers)	12	285,480,000
Total planned and available for subcontracting to 8(a)-certified SB concerns (included in SB concern numbers)	3	71,370,000
Total planned and available for subcontracting to WOSB concerns (included in SB and partially in SDB concern numbers)	5	118,950,000
Total planned and available subcontracting to NAB concerns (included in SB concern numbers)	1	23,790,000
Total dollars to Washington/Oregon-based business concerns (includes large and small business)	25	594,750,000
Total number of actions to Washington/Oregon-based business concerns (includes large and small business)	75	N/A

1. and 2. Goals (Percentages and Dollar Value)

Figure d.1-1 shows our small business, HUBZone business, small disadvantaged business, women-owned small business, and Native American business goals expressed in percentages of total planned subcontracting dollars as well as estimated dollars .

3. Potential Subcontracting Opportunities for Small Business

Figure d.1-2 lists the principal categories of subcontracting opportunities that will be made available for small business concerns. The categories shown are for general work groupings only. As additional opportunities are identified, the list will be expanded and goal percentages revised accordingly. Opportunities that are directed, or for which there is only a single supplier, are not considered available and are therefore not included in these goals.

4. Method Used to Develop Subcontracting Goals

To establish our subcontracting goals and commitments, we gathered available WTP information, forecast probable acquisition needs, and analyzed project estimates. We also used our collective DOE experience to determine potential requirements and contingencies. Our subcontracting goals are both realistic and attainable.

5. Methods Used to Identify Potential Sources for Solicitation

We continually identify and review potential sources of supplies and services, including, but not limited to, the following:

- Online access to U.S. Small Business Administration PRONET
- Our proprietary Supplier Information System, which includes past performance data
- National Minority Purchasing Council Vendor Information Services
- Historical reports and data showing products and services obtained from small business concerns by other associate contractors
- Various directories and source lists such as the:
 - Minority Supplier Development Council
 - Local U.S. Small Business Administration listings
 - National Association of Minority Contractors
 - MBISYS (National Minority Supplier Development Council database)

Subcontracting Opportunities	HUBZone	SB	SDB	WOSB
Computer equipment	■	■	■	■
Office furniture		■	■	■
Office supplies		■		■
Communication equipment		■	■	
Electrical and electronic supplies		■	■	■
Fuel and petroleum products		■		
Lab equipment and supplies		■	■	■
Small tools		■	■	
Construction equipment		■	■	
Building materials		■	■	
Site preparation		■	■	
Temporary construction	■	■	■	
Structural steel construction	■	■		
Batch plant construction		■		
Yard piping		■	■	
Nondestructive examination		■		
Civil testing		■		
Surveying services		■	■	
Security services		■		
Insulation		■		
Cooling towers D/B		■		
Building siding		■		
Roofing		■		
HVAC		■	■	
Administration building D/B		■		
Finish grading		■	■	
Fire protection		■		
Facilities maintenance and repair	■	■	■	
Road maintenance and repair		■	■	
Maintenance services (janitorial/equipment)		■	■	■
Technical and personal services		■		■
Computer service/maintenance		■	■	■
Administrative services (printing/copying/advertising)		■		■

SBP Matrix

Figure d.1-2. Principal Categories of Subcontracting Opportunities.

- Dun & Bradstreet Procurement Planning Directory for Small Business Products and Services
- National Minority Business Directory, “Try Us!”
- Minority Business Development Agency– Department of Commerce
- “Funded Organizations,” published by U.S. Minority Business Development Agency
- “National Directory of Minority-Owned Business Information System,” published by Business Research Services, Inc.
- “Minority and Women-Owned Business Information System,” published by Source Publications, Inc.
- “Minority-Owned High Technology Business Directory,” published by Business Research Services, Inc.
- Bechtel-sponsored small business fairs and forums designed to attract additional small business sources

6. Indirect Costs

Indirect costs are not included in the goals under this plan.

7. Administrator of Subcontracting Plan

Mr. Tom Doolittle, Procurement Manager, is designated to administer this Subcontracting Plan. He will manage the following activities and ensure they are performed efficiently and effectively:

- Maintain source lists of potential small business subcontractors.
- When the number of prospective sources is not adequate, seek out other small businesses through the use of mass media tools such as Internet bulletin boards.
- Mentor existing small businesses currently under subcontract, enhancing their ability to provide timely, cost-effective, and quality services.
- Advise and train project management personnel on the purposes of this plan and foster support.
- Keep records measuring performance against the goals established here.
- Submit Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and SF 295, Summary Subcontract Report, in accordance with the prime contract and instructions provided by the DOE Contracting

Officer.

- Verify that subcontracts contain the flowdown clauses pertaining to small business concerns when required and maintain the policies and procedures required by the prime contract.
- Maintain good working relationships with Small Business Administration representatives to obtain assistance and coordination in finding capable small businesses.
- Maintain a close working relationship with DOE to ensure that our project objectives and activities are consistent with DOE programs.
- Require lower-tier subcontractors to submit subcontracting plans and monitor for compliance with those plans.
- Make monthly reports to our President and General Manager concerning progress toward achievement of goals under this program.

8. Implementation

The following additional functions will be performed to effectively implement this plan.

- Package solicitations (including time for preparation, scope of work, quantities, specifications, and delivery schedules) to facilitate participation by small businesses in subcontracting opportunities and solicitation, offer, and proposal activities.
- Establish and maintain contacts with small business trade associations and business development organizations.
- Conduct internal workshops, seminars, and training programs to ensure that internal customers and buyers are acquainted with our policies and prime contract requirements, and to ensure that, externally, small businesses are familiar with requirements for doing business on the WTP project.
- Maintain an effective outreach program by sponsoring and attending regional procurement conferences, trade fairs, and other functions, to locate additional qualified sources.
- Implement an ongoing “inreach” program that gives small businesses access and exposure to key project planners and managers.
- Develop a comprehensive small business source list (which includes past performance) that is easily accessible and useful to buyers.
- Preselect and qualify small business concerns to perform specific scopes of work.

- Structure the program to help develop the capabilities and quality of services provided by small business suppliers and subcontractors currently performing work on the WTP project.

9. Subcontract Terms and Conditions

We incorporate the flowdown clause requirements of FAR 52.219-9 as applicable into subcontracts that offer further subcontracting opportunities. This requires all subcontractors (except small business concerns) that receive subcontracts in excess of \$500,000 (\$1 million for construction of any public facility) to adopt a similar plan. Our Procurement Manager will be responsible for implementing and monitoring this aspect of the Subcontracting Plan.

10. Reports, Studies, and Surveys

We will (i) cooperate in any studies or surveys as may be required; (ii) submit periodic reports to allow the government to determine the extent of our compliance with this Subcontracting Plan; (iii) submit SF 294, Subcontracting Report for Individual Contracts, and/or SF 295, Summary Subcontract Report, in accordance with the instructions on the forms as provided in agency regulations; and (iv) ensure that our subcontractors agree to submit SF 294 and SF 295.

11. Records

The types of records that will be maintained to demonstrate the procedures adopted to ensure compliance with the requirements and goals of the Subcontracting Plan include:

- (i) source lists (e.g., PRONET), guides, and other data that identify small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns;
- (ii) organizations contacted in an attempt to locate sources that are small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns;
- (iii) records on each subcontract solicitation resulting in an award of more than \$100,000 indicating:
 - whether small business concerns were solicited and, if not, why not;
 - whether HUBZone small business concerns were solicited and, if not, why

- not;
 - whether small disadvantaged business concerns were solicited and, if not, why not;
 - whether women-owned small business concerns were solicited and, if not, why not; and
 - if applicable, the reason award was not made to a small business concern;
- (iv) records of any outreach efforts to contact
 - trade associations,
 - business development organizations,
 - conferences and trade fairs to locate small, HUBZone small, small disadvantaged, and women-owned small business sources;
- (v) records of internal guidance and encouragement provided to buyers through
 - workshops, seminars, training, etc., and
 - monitoring of performance to evaluate compliance with program requirements; and
- (vi) on a contract-by-contract basis, records to support award data submitted by the offeror to the government, including the name, address, and business size of each subcontractor.

SUBMITTED BY:

Signature: (original signed by)
Typed Name: Ron Naventi
Title: Senior Vice President,
Bechtel National, Inc.
Date: 10/18/2000

PLAN ACCEPTED BY:

Signature: (original signed by)
Typed Name: Michael K. Barrett
Title: Contracting Officer
Date: December 11, 2000

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT E – LIST OF APPLICABLE DIRECTIVES (LIST B-DEAR 970.5204.78)

- (a) Environmental, safety and health (ES&H) requirements appropriate for work conducted under this Contract that have been determined by a DOE approved process to evaluate the work and the associated hazards and identify an appropriately tailored set of standards, practices and controls:

DOCUMENT NUMBER	DATE	TITLE
BNFL-5193-SRD-01	Latest Revision	Tank Waste Remediation System Privatization Project-Safety Requirements Document
DOE/RL-96-0003	02/01	DOE Regulatory Process for Radiological, Nuclear and Process Safety Regulation of the RPP Waste Treatment Plant Contractor
DOE/RL-96-0004	02/01	Process for Establishing a Set of Radiological, Nuclear and Process Safety Standards and Requirements for the RPP Waste Treatment Plant Contractor
DOE/RL-96-0005	02/01	Concept of the DOE Regulatory Process for Radiological, Nuclear and Process Safety Regulation of the RPP Waste Treatment Plant Contractor
DOE/RL-96-0006	02/01	Top-Level Radiological, Nuclear and Process Safety Standards and Principles for the RPP Waste Treatment Plant Contractor
RL/REG-97-04	08/02	Policy for Openness and Openness Plan for the Office of Safety Regulation
RL/REG-97-05	07/19/01	Regulatory Unit Management Directives
RL/REG-97-13	07/17/00	Regulatory Unit Position on Contractor-Initiated Changes to the Authorization Basis
RL/REG-98-05	07/01/99	Inspection Program Description for the Regulatory Oversight for the RPP-WTP Contractor
RL/REG-98-06	06/30/99	Corrective Action/Enforcement Action Program Description
RL/REG-98-14	06/29/98	Regulatory Unit Position on New Safety Information and Back-fits
RL/REG-99-17	04/25/01	Review Guidance for the Limited Construction Authorization Request
RL/REG 2000-03	05/04/01	Review Guidance for the Nonradiological Worker Safety and Health Plan
DOE O 470.2B	10/31/02	Contractor Requirements Document (CRD), "Independent and Performance Assurance Program"

- (b) Additional Directives applicable to this Contract. The directive(s) or applicable section(s) of the directive(s) are applied as specified in other Sections of this Contract.

DOCUMENT NUMBER	DATE	TITLE
DOE M 140.1-1B	03/30/01	Interface with Defense Nuclear Facilities Safety Board
DOE M 231.1-1	01/28/00	Environment, Safety and Health Reporting Manual
DOE M 232.1-1A	07/21/97	Occurrence Reporting and Processing of Operations Information
DOE M 435.1-1	07/09/99	Radioactive Waste Management Manual
ORP M 440.1-2	08/10/01	Industrial Health and Safety Oversight Plan for the Waste Treatment Plant Contractor
DOE N 231.1	01/15/02	Environment, Safety, and Health Reporting Notice
DOE N 471.3	04/13/01	Reporting Incidents of Security Concern

DOCUMENT NUMBER	DATE	TITLE
DOE O 221.1	03/22/01	Reporting Fraud, Waste, and Abuse to the Office of Inspector General ¹
DOE O 221.2	03/22/01	Cooperation with the Office of Inspector General ¹
DOE O 231.1	11/07/96	Environment, Safety and Health Reporting
DOE O 241.1	08/17/98	Scientific and Technical Information Management
DOE O 350.1	05/08/98	Contractor Human Resource Management Program
DOE O 414.1A	09/29/99	Quality Assurance
DOE O 425.1B	12/21/00	Start and Restart of Nuclear Facilities
DOE O 430.1A	10/14/98	Life-Cycle Asset Management
DOE O 442.1A & Supplemented Rev. 1	02/01/99	Department of Energy Employee Concerns Program
DOE O 551.1A Chg 1 ²	11/08/02	Official Foreign Travel
DOE/EM-0093	12/96	Waste Acceptance Product Specifications for Vitrified High Level Waste Forms (WAPS)
DOE/ORP-2000-06	09/27/00	River Protection Project, Project Management Plan
DOE/RL-88-21	10/01/96 12/21/99	Double-Shell Tank Unit Permit Application
DOE/RL-94-02	04/95	Hanford Emergency Response Plan
DOE/RL-96-0002	02/96	Top-Level Safeguards and Security Requirements for TWRS Privatization
DOE/RW-0333P		Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program (QARD) – Revision 11
DOE/RW-0351P	04/99	Waste Acceptance System Requirements Document (WASRD)
HFID 232-1B	09/08/99	Notification and Reporting of Operations Information
PL-W375-MG00004	02/22/00	Safeguards and Security Program

¹ Footnote to DOE O 221.1 and DOE O 221.2: The Contractor shall implement these Orders into all new subcontract awards beginning January 1, 2003, except for those acquisitions for commercial items and for any new acquisition awards under \$100,000. Flow down of the requirements of these Orders to Subcontractors using these criteria meets the intent of ensuring compliance with the Orders' requirements.

² This Order included by Modification No. A029 and deemed to be the "subsequent version of the order in effect at the time of award" per DEAR 952.247-70.

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT F – KEY PERSONNEL

<u>Name</u>	<u>Position</u>
Ronald F. Naventi	Project Director
Jimmy P. Betts	Project Manager
James Q. Hicks	Area Project Manager, Balance of Facilities
Phillip W. Schuetz	Area Project Manager, High-Level Waste
William T. Clements	Area Project Manager, Low-Activity Waste
Robert E. Lawrence	Area Project Manager, Pretreatment
Fred Beranek	E&NS
George T. Shell	Quality Assurance
Stephen F. Piccolo	Operations Manager
Walter L. Tamosaitis	Research and Technology
Kenneth J. Rueter	Process Technology
Neil Brosee	Commissioning
Richard J. Tossetti	Engineering Manager
Timothy L. Horst	Construction Manager
John R. (Jack) Monrean	Labor Relations
C. Ed Rogers	Business/Project Controls Manager
Anton R. Veirup	Prime Contract Manager
Timothy C. Green	Human Resources

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT G – PERFORMANCE GUARANTEE AGREEMENT

For value received, and in consideration of: and in order to induce the United States (the Government) to enter into Contract DE-AC27-01RV14136 for the design, construct, and commission of the Waste Treatment and Immobilization Plant (WTP) to treat and immobilize Hanford tank waste (Contract dated, December 11, 2000), by and between the Government and Bechtel National, Inc. (Contractor), the undersigned, Bechtel National, Inc. (Guarantor), a corporation incorporated in the State of Nevada with its principle place of business at 45 Fremont Street, San Francisco, CA 94105, hereby unconditionally guarantees to the Government (a) the full and prompt payment and performance of all obligations, accrued and executory, which Contractor presently or hereafter may have to the Government under the Contract, and (b) the full and prompt payment and performance by Contractor of all obligations and liabilities of Contractor to the Government, fixed or contingent, due or to become due, direct or indirect, now existing or hereafter and howsoever arising or incurred under the Contract, and Guarantor further agrees to indemnify the Government against any losses the Government may sustain and expenses it may incur as a result of the enforcement or attempted enforcement by the Government of any of its rights and remedies under the Contract, in the event of a default by Contractor hereunder, and/or as a result of the enforcement or attempted enforcement by the Government of any of its rights against Guarantor hereunder.

Guarantor has read and consents to the signing of the Contract. Guarantor further agrees that Contractor shall have the full right, without any notice to or consent from Guarantor, to make any and all modifications or amendments to the Contract without affecting, impairing, or discharging, in a whole or in part, the liability of Guarantor hereunder.

Guarantor hereby expressly waives all defenses which might constitute a legal or equitable discharge of a surety or guarantor, and agrees that this Performance Guarantee Agreement shall be valid and unconditionally binding upon Guarantor regardless of (i) the reorganization, merger, or consolidation of Contractor into or with another entity, corporate or otherwise, or the liquidation or dissolution of Contractor, or the sale or other disposition of all or substantially all of the capital stock, business or assets of Contractor to any other person or party, or (ii) the institution of any bankruptcy, reorganization, insolvency, debt agreement, or receivership proceedings by or against Contractor, or adjudication of Contractor as a bankrupt, or (iii) the assertion by the Government against the Contractor of any of the Government's rights and remedies provided for under the Contract, including any modifications or amendments thereto, or under any other document(s) or instrument(s) executed by Contractor, or existing in the Government's favor in law, equity, or bankruptcy.

Guarantor further agrees that its liability under this Performance Guarantee Agreement shall be continuing, absolute, primary, and direct, and that the Government shall not be required to pursue any right or remedy it may have against Contractor or other Guarantors under the Contract, or any modifications or amendments thereto, or any other document(s) or instrument(s) executed by Contractor, or otherwise. Guarantor affirms that the Government shall not be required to first commence any action or obtain any judgment against Contractor before enforcing this Performance Guarantee Agreement against Guarantor, and that Guarantor will, upon demand, pay the Government any amount, the payment of which is guaranteed hereunder and the payment of which by Contractor is in default under the Contractor or under any other document(s) or instrument(s) executed by Contractor as aforesaid, and that Guarantor will, upon demand, perform all other obligations of Contractor, the performance of which by Contractor is guaranteed hereunder.

Guarantor agrees to assure that it shall cause this Performance Guarantee Agreement to be unconditionally binding upon any successor(s) to its interests regardless of (i) the reorganization, merger, or consolidation of Guarantor into or with another entity, corporate or otherwise, or the liquidation or dissolution of Guarantor, or the sale or other disposition of all or substantially all of the capital stock, business, or assets of Guarantor to any other person or party, or (ii) the institution of any bankruptcy, reorganization, insolvency, debt agreement, or receivership proceedings by or against Guarantor, or adjudication of Guarantor as a bankrupt.

Guarantor further warrants and represents to the Government that the execution and delivery of this Performance Guarantee Agreement is not in contravention of Guarantor's Articles of Organization, Charter, bylaws, and applicable law; that the execution and delivery of this Performance Guarantee Agreement, and the performance thereof, has been duly authorized by the Guarantor's Board of Directors, Trustees, or any other management board which is required to participate in such decisions; and that the execution, delivery, and performance of this Performance Guarantee Agreement will not result in a breach of, or constitute a default under, any loan agreement, indenture, or contract to which Guarantor is a party or by or under which it is bound.

No express or implied provision, warranty, representation or term of this Performance Guarantee Agreement is intended, or is to be construed, to confer upon any third person(s) any rights or remedies whatsoever, except as expressly provided in this Performance Guarantee Agreement.

In witness thereof, Guarantor has caused this Performance Guarantee Agreement to be executed by its duly authorized officer, and its corporate seal to be affixed hereto on.

BECHTEL NATIONAL, INC.

Original Signed By

T. F. Hash, President

GUARANTEE AGREEMENT ON
BEHALF OF GUARANTOR

I, D.W. Price, certify that I am the Assistant Secretary of the corporation named as Guarantor herein; that T.F. Hash who signed this certificate on behalf of the Guarantor, was then President of said corporation; that said certificate was duly signed for and in behalf of said corporation, and is within the scope of its corporate powers; that I have caused the corporate seal to be affixed hereto.

Original Signed By

D. W. Price, Assistant Secretary

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT H
TANK FARM CONTRACTOR STAFF AND SUBCONTRACTORS EMPLOYED ON THE WTP PROJECT

Staffing

The Tank Farm Contractor hired a total of 183 staff from BNFL Inc. and Bechtel National Inc. that were previously supporting the Waste Treatment and Immobilization Plant (WTP) activities; approximately 138 are currently identified as available for transition to the WTP Contractor. Discipline and experience are as follows:

INTERIM DESIGN CONTRACTOR EMPLOYEES EXPERIENCE
SUMMARY AS OF 8/30/00

DISCIPLINE	SENIOR LEVEL	JUNIOR LEVEL (1-5 Years)	YEARS EXPERIENCE	AVERAGE YEARS EXPERIENCE
<u>Engineers:</u>				
Managers	2	0	18-30	18
Process Engineers	9	2	1-33	16
Civil/Structural	7	1	1-35	23
Mechanical	17	5	1-33	18
HVAC	21	0	7-35	25
Elect, I&C	18	0	9-39	24
Architectural	2	1	1-21	13
Construction Engineering	1	0	9	9
Quality Assurance	2	0	25-30	28
Layout/Design	2	0	18-35	27
Subtotal	81	9		
<u>Designers:</u>				
Civil/Structural	3	1	4-36	21
Mechanical	19	2	3-34	21
HVAC	5	0	7-20	16
Piping	5	0	10-25	22
Elect, I&C	2	0	14-35	23
Layout	9	2	2-15	7
Subtotal	43	5		
Total	124	14		
Total Interim Design	138			

Subcontracts

The Tank Farm Contractor placed subcontracts with 27 firms; providing about 260 total staff supporting the design, science and technology, and ongoing operations roles. Most of the staff augmentation contracts will be available for transition to the WTP Contractor. Summary of contracts, scope, and numbers of staff identified includes:

Subcontractor	Current Scope	Number of Staff
Associated Western Universities	Summer Interns	5
EnergX	Staff Augmentation	2
ESG (ESG Technical Services)	Staff Augmentation	3
Enabling Technology	Staff Augmentation	1
Fircroft	Staff Augmentation	51
Global Environmental	Staff Augmentation	1
GTS-Duratek	Staff Augmentation	19
Individual Consultants (7 each)	Staff Augmentation	7
Doug Campbell		
Gary Dukelow		
Mike Fox		
Bruce Hensley		
William Roe		
Gene Schroeder		
John Deichman		
Kelly Temporary Services	Staff Augmentation	31
LATA (Los Alamos Technical Associates)	Staff Augmentation	8
Manpower	Staff Augmentation	3
MCE (Mid-Columbia Engineering)	Staff Augmentation	7
MH Chew	Staff Augmentation	2
Noramtec	Staff Augmentation	30
Onsite Engineering	Staff Augmentation	15
Project Time & Cost	Staff Augmentation	3
SAIC (Science Applications International Corp.)	Staff Augmentation-safety, permitting, and design	44
Sciencetech	Staff Augmentation	2
SCM	Staff Augmentation	8
TRI (Technical Resources International)	Staff Augmentation	13
Vista Engineering	Staff Augmentation	5

Science and Technology Support

The Tank Farm Contractor will have established work orders with Savannah River Technology Center (SRTC), GTS-Duratek (including the Vitreous State Laboratory (VSL) at Catholic University), Pacific Northwest National Laboratory, and IBC, Inc. for significant Science and Technology (S&T) support to the WTP Project in the following areas:

S&T Provider	Scope
SRTC	Chemical and radiochemical separations, waste form qualification
PNNL	Chemical and radiochemical separations, waste form qualification
GTS-D	Pilot melter testing, melter testing, and glass development
IBC, Inc.	Ion exchange media development and testing

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT I – FUNDING PROFILE

Fiscal Year (FY)	Budget Authority (\$1M)*
2001	\$ 362
2002	\$ 690
2003	\$ 690
2004	\$ 690
2005	\$ 690
2006	\$ 690
2007	Funding requirements for FY 2007 and beyond will be determined based on the Waste Treatment and Immobilization Plant (WTP) Project Baseline, and cannot exceed \$690M in any FY.
2008	
2009	

*Includes Contractor Fee

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT J
ADVANCE UNDERSTANDING ON COSTS

1. Allowable costs for WTP project-specific travel and relocation shall be in accordance with the Bechtel Systems & Infrastructure, Inc. (BSII) policy dated January, 2001 (Revision 0) submitted under BNI letter CCN 017879 dated January 29, 2001. However, payments made under 3.7 d) therein for tax assistance "gross up" shall be an unallowable cost prior to July 29, 2002, and an allowable cost thereafter.
2. Allowable costs for WTP project-specific BSII Corporate employee permanent assignment compensation benefit shall be in accordance with the BSII Project Assignment Incentive (PAI), Revision 5. However, the tax assistance portion "gross-up" of the PAI shall be an unallowable cost. The minimum 150-mile limit for recruited college students from Washington State University (Pullman Campus only) and Eastern Washington University (Cheney campus only) is waived and PAI payments for such eligible recruited employees shall be allowable, subject to other allowability tests required under the contract.
3. During 2001, BNI implemented an internal Six Sigma Program to provide a clear means of work process measurement and continuous process improvement that is expected to result in a net overall reduction in incurred costs under the Contract. Costs to implement the BNI Six Sigma Program are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
4. Costs to implement the BNI Sharing For Success Program to enhance craft productivity and reduce overall project costs are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
5. Effective from the date of Contract award, facilities capital cost of money shall be an allowable cost under the Contract, provided the criteria for allowability in FAR 31.205-10 are met.
6. Costs to implement the BNI Employee Recognition Program to support individual and team accomplishments and encourage the achievement of Project goals are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
7. Costs incurred in connection with hedging contracts entered into in connection with foreign currency purchases, including but not limited to the purchase cost, rollover costs to adjust a hedging contract to a new date in the event the payment date is delayed, and closure costs in the event a procurement is canceled, are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
8. Costs to implement the BNI Vanpool Program to encourage project craft and nonmanual vanpooling are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.
9. Costs incurred in connection with the Washington State Retrospective Rating Program connected with Workers Compensation, including but not limited to surcharges, are considered allowable costs under the Contract, subject to other required tests of allowability under the Contract, the Federal Acquisition Regulation, and the Department of Energy Acquisition Regulation.

10. Multiple Employer Pension Plan (MEPP)
 - a. The costs and expenses of the Contractor's participation in the Multiple Employer Pension Plan (MEPP) are allowable contract costs to the same extent as those costs are allowable under Contract No. DE-AC06-96RL13200.
 - b. In the event that the Contractor withdraws from the MEPP, in accordance with the terms of the MEPP, the Contractor's withdrawal liability, if any, shall be an allowable cost of the Contract subject to availability of funds under the contract.
 - c. In the event that the MEPP is overfunded at the time of the Contractor's withdrawal and the Contractor does not receive a cash disbursement of its share of such overfunding, ORP hereby waives the Contractor's obligations, if any, under FAR 52.215-15(b) to make payments to DOE, or otherwise adjust the Contractor's allowable costs, with respect to any amounts otherwise assessed in accordance with CAS 413-50(c)(12).
 - d. In the event that the Contractor becomes the last sponsoring employer of the MEPP, the Parties shall modify this agreement to address appropriate termination provisions and funding requirements.
 - e. This Advance Understanding shall be revised from time to time to incorporate any changes in the those policies, practices, and procedures the related costs and expenses related to the MEPP.
11. The following Pending Items and Trends are incorporated by reference in Modification A029.

Case No.	Title
	Issued to ORP
4	PI-24590-01-00065 Additional Security Badging Requirements
18	PI-24590-01-00093 Model Recovery, Maintainability, and RAMI Development
6	PI-24590-01-00099 Construction Emergency Response Plan (Addendum for FH site emergency preparedness program)
21	PI-24590-01-00112 Addition of C2 Filtration (HEPA) to Pretreatment, LAW and HLW Facilities
	PI-24590-01-00117 Commissioning Maintenance Requirements
17	PI-24590-01-00118 Plant Operator Qualification & Training Facility
	PI-24590-01-00119 Commissioning Materials & Vendor Support
	PI-24590-01-00120 Commissioning Testing and Operations Requirements
	PI-24590-01-00121 Risk Assessment and Reporting
19	PI-24590-01-00122 Analytical Laboratory and Temporary Laboratory Facilities
	PI-24590-01-00131 Hazards/Accident Analysis Post PSAR Submittal
	PI-24590-01-00133 Commissioning Procedure Writers
	PI-24590-01-00135 QC Support to Commissioning
	PI-24590-01-00136 Commissioning Training
	PI-24590-01-00138 Environmental Interface
	PI-24590-01-00140 Operation Authorization Request (OAR) Development and Authorization Basis Maintenance
	PI-24590-01-00142 Compliance with ISMS DEAR Clause, Safeguards and Security
	PI-24590-01-00143 Pilot Scale Facility
10	PI-24590-01-00147 Pulsed Jet Mixer Testing
16	PI-24590-01-00150 LAW Canister Level Control
	PI-24590-01-00153 A1-Incomplete WTP Conceptual Design - NOC & Sanitary Sewer
	PI-24590-01-00153 A2 - Incomplete WTP Conceptual Design - SAP & CAR
	PI-24590-01-00153 B - Incomplete R&T WTP Conceptual Design work (5 PIs)

Case No.	Title
19	PI-24590-01-00154 HLW Melter Cell Reconfiguration Due to LAB Reconfiguration
13	PI-24590-01-00165 Vittrification, Rheology & Regulatory Analysis for the Rework of AZ-102 (Envelope B)
2	PI-24590-01-00170 LAW Annex Modifications
23	PI-24590-01-00181 Operations & Maintenance C3 Area Temperatures
23	PI-24590-01-00194 Study Associated with C3 Temperatures
	PI-24590-01-00197 Technical Integration Baseline Development Team
	PI-24590-01-00201 LAW Throughput Increase to 45 MTG
	PI-24590-01-00246 ES&H Fire Protection Support Program
27	PI-24590-01-00278 Change in LAW Concrete and Structural Steel Quality Class
	PI-24590-01-00309 Revised Scale-Up Ion Exchange Resin Quantities
	PI-24590-01-00311 Radiological Safety Support
3	PI-24590-02-00335 LAW Bubbler Failures Below the Melt Line
	2001 Approved Trends
1	PI-24590-01-00173 Detailed Study & Process Plan for Resolving Mercury Issues in Waste Feed
14	PI-24590-01-00174 Maximum Achievable Control Technology
14	PI-24590-01-00316 Mercury mitigation for LAW Melter & Offgas
14	PI-24590-01-00327 Incorporate Activated Carbon Column in HLW Melter Offgas
	PI-24590-01-00143 PT Integrated Pilot Facility - Infrastructure & Testing IX Processes
	2002 Approved Trends
12	PI-24590-02-00341 Radiological Monitoring Standards Change from ANSI-N13.1-1969 to 1999
7	PI-24590-02-00356 Critical Decision 3 - Extended Independent Review
22	PI-24590-02-00358 Steam Reformer Technology Demonstration Acquisition
20	PI-24590-02-00382 Evaluate and Test CS & TC Exchange Resins
15	PI-24590-02-00395 DOE Order 420.1 Fire Safety Impact Assessment Study
	PI-24590-02-00396 Melt Pool Corrosion of LAW Bubblers (Part 2)
	PI-24590-02-00398 Evaluation of Seismic Safety DOE 420.1 Impact
	PI-24590-02-00405 LAB - Cost Reductions
	PI-24590-02-00415 Initial Testing of Steam Reforming Waste Product
	PI-24590-02-00431 DWPA Phased Approach
	PI-24590-02-00447 Pour Tunnel Catch Tank
	PI-24590-02-00453 Increase Pour Cave Cooling
	PI-24590-02-00508 Sales and Use Tax
25	PI-24590-02-00516 Regulatory Compliance Matrix
	PI-24590-02-00539 Lab Rad Effluent Line
	PI-24590-02-00550 Develop Implementation Plan & Start Testing of Alt. Resins
	PI-24590-02-00581 Mixing Tests and Computational Fluid Dynamic Modeling by R&T for PT and HLW
	PI-24590-02-00586 Delete BOF Encapsulation Facility from WTP
	PI-24590-02-00587 Modify BOF Spent Melter Staging Facility
	PI-24590-02-00589 Eliminate BOF Melter Assembly Building
	PI-24590-02-00590 Delete BOF Central Waste Storage Facility
	PI-24590-02-00591 Eliminate BOF Administration Building from WTP Site
	PI-24590-02-00601 Modification to HLW Melter Cave Support Handling System Shielding/Containment and Decontamination

Case No.	Title
	PI-24590-02-00635 Mercury - Sulfur Impregnation Carbon Tests
	PI-24590-02-00637 Mercury R&T Studies
	PI-24590-02-00665 Replace Welded Sealing of LAW Containers with Mechanical Sealing
	PI-24590-02-00666 Eliminate Tc Ion Exchange System (pending approval)
	PI-24590-02-00688 Stage 1 Cs Alternative Resin Testing
	PI-24590-02-00700 Develop Estimate for Implementing DOE Order 435.1
	PI-24590-02-00706 2 + 2 Melter Option
	PI-24590-02-00723 Commissioning and Training Cost Savings Initiatives
	PI-24590-02-00725 Schedule Impact of Cumulative Changes
	PI-24590-02-00728 Alternate Cesium Ion Exchange Resin Testing: Stages II & III
	PI-24590-02-00742 Develop Supplemental EIS Data Package
	PI-24590-02-00744 Include Battelle R&T Sample Residue Handling & Disposal
	PI-24590-02-00754 Foreign Travel Coordinator DEAR 952-247-70
	PI-24590-02-00758 Replace Uniform Building Code with International Building Code for Fire Proofing Design
	PI-24590-02-00779 Trend Implementation Variance vs. Approved ROM
	PI-24590-02-00782 R&T Testing of Ion Exchange Pressure Drop Issue

All items above may have subsequent update revisions, interpretations, or other clarifications that are agreed to by letter. Such updates shall be deemed to be incorporated by reference where stated.

SECTION J – LIST OF ATTACHMENTS

**ATTACHMENT K
LISTING OF WTP CONCEPTUAL DESIGN AND SUPPORTING INFORMATION**

The following information associated with the Waste Treatment and Immobilization Plant (WTP) Conceptual Design and Supporting Information is provided at <http://www.hanford.gov/orp/procure/solicitations/index.html>.

The information includes:

- (a) Process and Facility Design Documentation and Analyses
 - Facility Mass and Energy Balances
 - Process Description
 - Process and Facility Drawings
 - Systems Descriptions
 - Facility Descriptions
 - Facility Capability Studies
 - Facility Expansion Capability Study
 - Interface Control Documents
- (b) Construction Planning
 - Engineering Execution Plan
 - Construction Strategy
 - Construction Mobilization Plan
 - Facility Acceptance Strategy
- (c) Technology Planning and Testing Information
 - Technology Development Plan
 - Tank Waste Sample Analyses
 - Technology Test Reports
- (d) Waste Form Qualification Strategies
 - Products and Secondary Wastes Plan
 - IHLW Waste Compliance Plan
- (e) Environmental Permitting Documentation
 - Dangerous Waste Permit Application
 - Environmental Plan
 - Risk Assessment Work Plan
 - Approach for Immobilized High Level Waste (HLW) Delisting
 - Approach for Immobilized Low Activity Waste (LAW) Land Disposal Restrictions (LDR) Compliance
 - Environmental Report Revision
- (f) Integrated Safety Management Program, Hazards and Safety Analysis Information
 - Documentation prepared for, and correspondence between the DE-AC06-96RL13308 Contractor Organization and the U.S. Department of Energy (DOE) Regulatory Unit can be found at <http://www.hanford.gov/osr/osr.asp>.

- (g) Cost and Schedule Documentation
 - Integrated Master Plan
 - Government Fair Cost Estimate
- (h) Quality Assurance
 - Quality Assurance Program Description

SECTION J – LIST OF ATTACHMENTS
ATTACHMENT L
SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM TARGETS

A — Bechtel Washington

SIC Code	Description of SIC Major Group	SDB Dollars	Percentage**
N/A			

B — Subcontractors

SIC Code	Description of SIC Major Group	SDB Dollars	Percentage**
23	Apparel and other finished products made from fabrics	\$26,880	.0007
25	Furniture and fixtures	248,700	.0063
28	Chemicals and allied products	1,747,750	.0441
34	Fabricated metal products	9,564,827	.2412
36	Electronic and other electrical equipment and components, except computers	15,730,940	.3967
38	Measuring, analyzing, and controlling instruments; photographic, medical, and optical goods; watches and clocks	720,120	.0182
48	Communications	711,489	.0179
50	Wholesale trade, durable goods	3,340,970	.0843
51	Wholesale trade, nondurable goods	2,403,444	.0606
52	Building materials, hardware, garden supply, and mobile home dealers	491,220	.0124
73	Business services	125,468	.0032
87	Engineering, accounting, research, management, and related services	16,046,472	.4047
89	Miscellaneous services	512,040	.0129
	Subtotal ***	\$51,670,320	1.3032

C — Total (A + B)

SIC Code	Description of SIC Major Group	SDB Dollars	Percentage**
23	Apparel and other finished products made from fabrics	\$26,880	.0007
25	Furniture and fixtures	248,700	.0063
28	Chemicals and allied products	1,747,750	.0441
34	Fabricated metal products	9,564,827	.2412
36	Electronic and other electrical equipment and components, except computers	15,730,940	.3967
38	Measuring, analyzing, and controlling instruments; photographic, medical, and optical goods; watches and clocks	720,120	.0182

48	Communications	711,489	.0179
50	Wholesale trade, durable goods	3,340,970	.0843
51	Wholesale trade, nondurable goods	2,403,444	.0606
52	Building materials, hardware, garden supply, and mobile home dealers	491,220	.0124
73	Business services	125,468	.0032
87	Engineering, accounting, research, management, and related services	16,046,472	.4047
89	Miscellaneous services	512,040	.0129
	Subtotal ***	\$51,670,320	1.3032

Total Estimated Contract Value = \$3,965,000,000

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- * SDB participation from industries eligible for the 10% Price Evaluation Adjustment
- ** All percentages shown as a percent of the estimated total Target Cost
- *** Total SDB target cost

**SECTION J – LIST OF ATTACHMENTS
ATTACHMENT M
DAVIS-BACON WAGE DETERMINATION**

General Decision Number WA010009 dated December 7, 2001 is hereby incorporated by reference.